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KLK14 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14824A

Specification

KLK14 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9P0G3
Other Accession	NP_071329.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**29122**
Antigen Region	**15-44**

KLK14 Antibody (N-term) - Additional Information

Gene ID 43847

Other Names
Kallikrein-14, hK14, 3421-, Kallikrein-like protein 6, KLK-L6, KLK14, KLKL6

Target/Specificity
This KLK14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-44 amino acids from the N-terminal region of human KLK14.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KLK14 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KLK14 Antibody (N-term) - Protein Information

Name KLK14

Synonyms KLKL6

Function Serine-type endopeptidase with a dual trypsin-like and chymotrypsin-like substrate specificity. May activate/inactivate the proteinase-activated receptors F2R, F2RL1 and F2RL3 and other kallikreins including KLK1, KLK3, KLK5 and KLK11. May function in seminal clot liquefaction through direct cleavage of the semenogelin SEMG1 and SEMG2 and activation of KLK3. May function through desmoglein DSG1 cleavage in epidermal desquamation a process by which the most superficial corneocytes are shed from the skin surface. May be involved in several aspects of tumor progression including growth, invasion and angiogenesis.

Cellular Location
Secreted, extracellular space

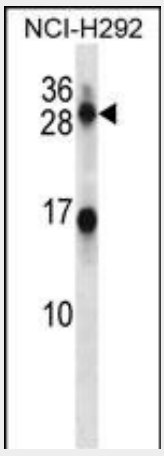
Tissue Location
Highly expressed in CNS, bone marrow and fetal liver. Also expressed in breast, thyroid, kidney, colon, pancreas, spleen, prostate, uterus, small intestine, placenta and skeletal muscle. Among 40 tissues tested, the highest expression is detected in skin followed by breast and prostate (at protein level). Expressed in stratum corneum by sweat ducts and sweat glands and detected in sweat (at protein level).

KLK14 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KLK14 Antibody (N-term) - Images



KLK14 Antibody (N-term) (Cat. #AP14824a) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the KLK14 antibody detected the KLK14 protein (arrow).

KLK14 Antibody (N-term) - Background

Kallikreins are a subgroup of serine proteases having
diverse physiological functions. Growing evidence suggests that

many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. An additional transcript variant has been described but its full length nature has not been determined.

KLK14 Antibody (N-term) - References

Klein, R.J., et al. Cancer Prev Res (Phila Pa) 3(5):611-619(2010)
Hashem, N.N., et al. Int. J. Biol. Markers 25(1):32-37(2010)
Emami, N., et al. Biol. Chem. 390(9):921-929(2009)
Lai, J., et al. Mol. Cancer Res. 7(1):129-141(2009)
Paliouras, M., et al. Mol Oncol 1(4):413-424(2008)